ONR Repair Technology (REPTECH) Project Description: Assessing the Impact of Implementing Unique Identification (UID) at Navy and Marine Corps Depots

Phase 1: Short Term Study to Quickly Assess the Impact of UID

Ref: (A) "Unique Identification (UID) of Tangible Items – New Equipment, Major Modifications and Reprocurements of Equipment and Spares", Robert T. Mason, Assistant Deputy Under Secretary of Defense (Maintenance Policy, Programs and Resources), 17 December 2003

(B) "Policy for Unique Identification (UID) of Tangible Items – New Equipment, Major Modifications, and Reprocurements of Equipment and Spares", Michael W. Wynne, Acting Under Secretary of Defense (Acquisition, Technology and Logistics), 29 July 2003

Objective

The objective of Phase 1 is to perform a quick assessment of the impact of UID on depots, in response to Reference (A) that requested the results of such an assessment from all depots by 1 February 2004.

Scope

In Phase 1 we will visit four depots selected as "representative" depots and study their workload and maintenance processes to assess how they would be affected by Reference (B). The results from these four depots will then be extrapolated to the rest of the Navy and Marine Corps highest echelon depots that were not visited. The four depots to be visited are: Norfolk Naval Shipyard, Cherry Point Naval Aviation Depot, Marine Corps Base Barstow, and Naval Undersea Warfare Center Division Keyport. The study will be restricted to 5-10 "representative" parts selected at each depot that are likely candidates to require UID marking in the future. The parts will be selected so as to represent a cross-section of the various types, materials, sizes, and shapes of parts that are processed at each depot. The study will focus on how the new UID requirements for these parts will be implemented on the shop floor.

Schedule

Project Duration: 4 months
Start Date: 1 February 2004
End Date: 31 May 2004

Tasks

The tasks to be completed in Phase 1 are as follows:
- Visit each of the four specified depots and interview appropriate depot personnel to learn about the types of parts they process, the workload, and the maintenance processes
- Identify 5-10 parts at each depot that are likely to require UID marking in the future
- Collect workload information for the identified parts

- Determine the likely size, location, and marking technology for the UID symbols to be applied to the identified parts
- Contact vendors to learn about UID marking and reading equipment and the associated processes
- Identify the steps necessary to implement the DoD's UID policy for parts processed at the depots
- Estimate the cost of labor, material, and equipment necessary to apply and read UID symbols on the parts at each depot
- Estimate the time required for each depot to complete the identified UID implementation steps
- Contact the other services (Army, Air Force) to learn about any experience they may have implementing UID marking at their maintenance activities
- Attend any DoD UID-related meetings, symposia, and workshops to stay abreast of new UID developments and policies; two upcoming workshops that we will attend are:
    – 9-10 March 2004, UID/DLMS Migration Workshop, Holiday Inn Fairfax-Fair Oaks Mall, Fairfax, VA
    – 16-17 March 2004, Navy AIT Steering Group Meeting, Manassas, VA

Deliverables
The deliverable will be a general assessment of the impact of the DoD's UID policy on Navy and Marine Corps highest echelon depots, based on a study conducted at four selected depots. The assessment will be contained in a Final REPTECH Project Report and will include the following information:
- Recommended UID implementation steps
- Estimated costs of UID implementation (labor, material, equipment)
- Timeline for UID implementation
- List of issues outside the depots' control that will affect their UID implementation

Project Funding
Amount: $75K
Source: REPTECH Program

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